NEIDLEIN

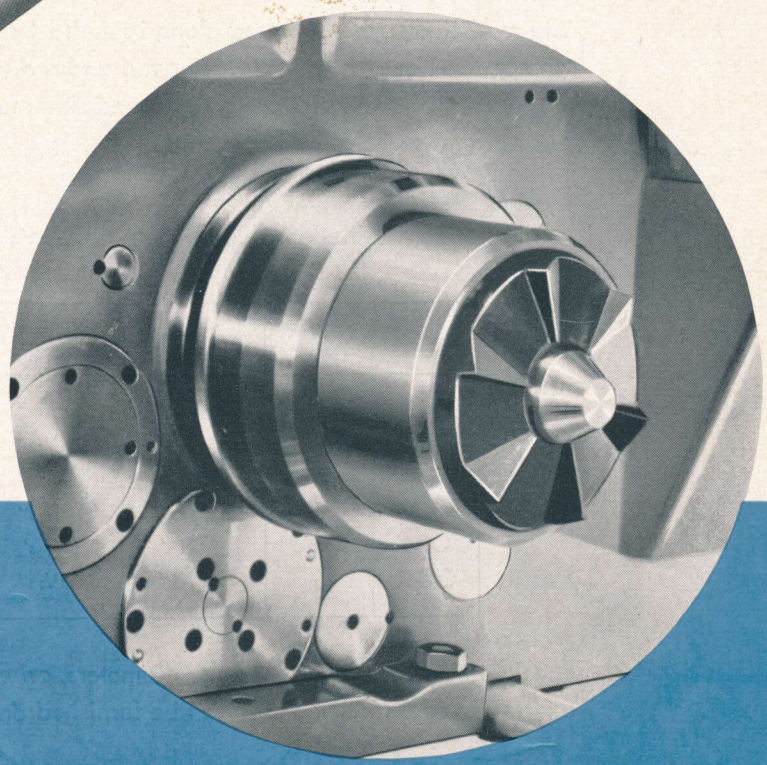
AUTOMATIC DRIVING CENTER

82/165

For Low Cost "Dog-less"
Precision turning
between Centers

Distributed by:

Machine Tool Show
Philadelphia, Pa
May 1st, 1958
JSH



ACC-U-MAT
MACHINE COMPANY

40 EXCHANGE PLACE • NEW YORK 5, N. Y. • DIGBY 4-6328

Low production costs with Neidlein automatic driving centers

The Neidlein »dog-less« driving center has proved to be an ideal gripping tool for all work to be machined between centers, and provides an extra high turning capacity at low cost. It is placed in the internal taper of the machine spindle.

Outstanding features

Precision turning
This precision finished, dynamically compensated driving center with a short overall length and extra long center bearings, insures highest stability and true turning.

Great gripping range
Three interchangeable driving discs with stepped down toothed wheel diameters provide a great gripping range.

Radial load
The ingenious design, ruggedness, short overall length and oversized center insures highest radial loads.

Automatic stop
When the workpiece has been gripped the springloaded center is automatically locked, thus insuring the same degree of safety and precision as between fixed centers.

Automatic center control
Automatic center control compensates the inevitable differences in center holes, thus insuring precision turning and copying to a stop.

Gripping of uneven face ends
The face end of the workpiece serving as gripping surface can be either straight, sawed, forged or at an angle. The driving plate adjusts itself to uneven face ends.

Time savings
The workpiece can be turned along its entire length in a single operation without re-clamping. Components can be inserted, removed and rechucked with the machine running; consequently a minimum of stress for the clutching and shift mechanisms of machine is insured. Time savings of 50 % and more can be obtained.

Safety factor
Owing to the elimination of lathe dogs accidents are avoided.

Model	Morse Taper	Toothed Dia. of Driving Disc D 1	D 2	D 3	
OB X	2	9/16"	3/4 "	15/16"	*Driving Centers are furnished with one set of 3 driving discs.*
OC X	3	3/4 "	1 1/16"	1 11/32"	
OD X	4	1 9/64"	1 29/64"	1 3/4 "	
OE X	5	1 17/32"	1 15/16"	2 5/16"	*Indicate in order sense of rotation.*
OF X	5 or 6	1 3/4 "	2 5/16"	2 29/32"	
OG X	6	1 15/16"	2 23/32"	3 1/2 "	

Special units for smaller or larger diameters, or with flange adapters, as well as special tapers, and models for hollow shafts can be furnished on request.